

ABSTRACT OF THE DISCLOSURE

The invention relates basically to cutting vegetables efficiently either at home or in commercial establishments. It can also be used for other fibrous materials where practical. The aim is a low cost solution for an efficient device.

The new element is that of using several knives simultaneously without holding them in the hand except in Device C. Also the vegetables are not held by hand during cutting. These are excellent safety features. Such a device is not seen in the market.

The important and novel feature of this invention is the use of slotted platform to eject the cut pieces from between the knives during the cutting process. Without this feature the device becomes clumsy and unusable.

One more new element is that the knives do not touch the board in Devices A and B. They are maintained at a distance of 2 mm above the slot bottom. This saves the board from knife marks and reduces the damage to the knife-edge.

Also the device reduces the pressure on the hand though using several knives, because of the use of lever action in devices A and B.

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The invention Multi knife cutting device D enables cutting vegetables with multiple knives concurrently.

The basic parts are the slotted guide frame and the six knives with handles, with a fulcrum bolt connecting them.

The new and improved features (over the prior art) of the device are:

- Mounting of knives directly and independently in the guide frame, without depending on a separate knife frame,
- A guide frame with six slots for the knives, mounting facility for knives, closed vegetable enclosure, slots for receiving the knives after the cut, guiding of knives throughout the cutting stroke,
- Independent knives with elongated handles enabling high mechanical advantage and flexibility in using different combinations of knives depending on the resistance of the material being cut,
- The vegetable enclosure right next to knives enabling reduction of knife bending (as a result of reduction of unsupported length of the knives, and reduction of the lever arm of the vegetable resistance).